

## Annex: Uttar Pradesh August 2017 NDD PMCV Report

Table PM 1: Training and source of information about NDD among teachers/headmasters and *anganwadi* workers, August 2017

Indicators	School			<i>Anganwadi</i>		
	Denominator	Numerator	%	Denominator	Numerator	%
Attended training for current round of NDD	300	138	46	288	220	76
Ever attended training for NDD <sup>1</sup>	300	152	51	288	241	84
Never attended training for NDD	300	148	49	288	47	16
<b>Reasons for not attending NDD training (Multiple Response)</b>						
Location was too far away	162	8	5	68	7	10
Did not know the date/timings/venue	162	141	87	68	44	65
Busy in other official/personal work	162	14	9	68	10	15
Attended deworming training in the past	162	14	9	68	21	31
Not necessary	162	7	4	68	4	6
No incentives/no financial support	162	2	2	68	0	0
<b>Trained teacher that provided training to other teachers in their schools</b>						
All other teachers	138	80	58	NA	NA	NA
Few teachers	138	30	22	NA	NA	NA
No (himself/herself only teacher)	138	9	7	NA	NA	NA
No, did not train other teachers	138	19	14	NA	NA	NA
<b>Source of information about current NDD round (Multiple Response)</b>						
Television	300	59	20	288	46	16
Radio	300	30	10	288	22	8
Newspaper	300	52	17	288	45	16
Banner	300	46	15	288	49	17
SMS	300	71	24	288	62	22
Other school/teacher/ <i>anganwadi</i> worker	300	47	16	288	73	25
WhatsApp message	300	43	15	288	8	3
Training	300	81	27	288	149	52
Received SMS for current NDD round	300	99	33	288	109	38

Table PM2: Awareness about NDD among teachers/headmasters and *anganwadi* workers, August 2017

Indicators	School			<i>Anganwadi</i>		
	Denominator	Numerator	%	Denominator	Numerator	%
Awareness about the ways a child can get worm infection	300	221	74	288	252	88
<b>Different ways a child can get worm infection (Multiple Response)</b>						
Not using sanitary latrine	221	122	55	252	118	47
Having unclean surroundings	221	157	71	252	181	72
Consume vegetables and fruits without washing	221	131	59	252	123	49

<sup>1</sup> Includes those school teachers and *anganwadi* workers who attended training either for NDD August 2017 or attended training in past.

Having uncovered food and drinking dirty water	221	150	68	252	148	59
Having long and dirty nails	221	128	58	252	124	49
Moving in bare feet	221	104	47	252	130	52
Having food without washing hands	221	111	50	252	128	51
Not washing hands after using toilets	221	89	40	252	107	43
<b>Awareness about all the possible ways a child can get a worm infection<sup>2</sup></b>	221	26	12	252	15	6
<b>Perceives that health education should be provided to children</b>	300	292	97	288	282	98
<b>Awareness about correct dose and right way of administration of albendazole tablet</b>						
1-2 years of children (Crush the half tablet between two spoons and administer with water)	NA	NA	NA	288	242	84
2-3 years of children (Crush one full tablet between two spoons, and administer with water)	NA	NA	NA	288	137	48
3-5 years of children (one full tablet and child chewed the tablet properly)	NA	NA	NA	288	255	89
6-19 years of children (one full tablet and child chewed the tablet properly)	300	280	93	288	278	97
<b>Awareness about non-administration of albendazole tablet to sick child</b>						
Will administer albendazole tablet to sick child	300	20	7	288	21	7
Will not administer albendazole tablet to sick child	300	280	93	288	367	93
<b>Awareness about consuming albendazole tablet</b>						
Chew the tablet	300	280	93	288	284	99
Swallow the tablet directly	300	20	7	288	4	1
<b>Awareness about consuming albendazole in school/<i>anganwadi</i></b>	300	282	94	288	283	98
<b>Awareness about the last date (August 22,29 &amp; Sep 4 2017) for submitting the reporting form</b>	300	95	32	288	128	44
<b>Awareness about submission date of reporting forms to ANM</b>	300	143	48	288	198	69
<b>Awareness to retain a copy of the reporting form</b>	300	198	66	288	245	85

<sup>2</sup>Includes those who were aware that a child can get worm infection if she/he does not use sanitary latrine, have unclean surroundings, consume vegetable and fruits without washing, have uncovered food and drinking dirty water, have long and dirty nails, moves in bare fee, have food without washing hands and not washing hands after using toilets.

Table PM3: Deworming activity, drug availability, and list of unregistered and out-of-school children, August 2017

Indicators	School			<i>Anganwadi</i>		
	Denominator	Numerator	%	Denominator	Numerator	%
<b>Albendazole tablet administered on the day of visit</b>						
Yes, ongoing	300	148	49	288	208	72
Yes, already done	300	21	7	288	31	11
Yes, after sometime	300	10	3	288	11	4
No, will not administer today	300	121	40	288	38	13
<b>Schools/<i>anganwadis</i> conducted deworming on either of the day<sup>3</sup></b>	300	189	63	288	258	90
<b>Schools/<i>anganwadis</i> conducted deworming on NDD<sup>4</sup></b>	155	100	65	147	131	89
<b>Schools/<i>anganwadis</i> conducted deworming on Mop-Up Day<sup>5</sup></b>	145	79	54	141	119	84
<b>Reasons for not conducting deworming</b>						
No information	111	90	81	30	13	44
Albendazole tablet not received	111	10	9	30	9	30
Apprehension of adverse events	111	2	2	30	1	3
Others <sup>6</sup>	111	9	8	30	7	23
<b>Attendance on NDD<sup>7</sup></b>	12707	7749	61	NA	NA	NA
<b>Attendance on Mop-Up Day<sup>8</sup></b>	14522	10198	71	NA	NA	NA
<b><i>Anganwadi</i> having list of unregistered/out-of-school children</b>	NA	NA	NA	288	93	32
<b>Out-of-school children (Age 6-19) administered albendazole tablet</b>	NA	NA	NA	288	193	67
<b>Unregistered children (Age 1-5) administered albendazole tablet</b>	NA	NA	NA	288	188	85
<b>Sufficient quantity of albendazole tablets<sup>9</sup></b>	201	181	90	269	236	88

Table PM4: Integrated distribution of albendazole tablets and IEC materials, August 2017

Indicators	Schools			<i>Anganwadi</i>		
	Denominator	Numerator	%	Denominator	Numerator	%
<b>Items received by school teacher and <i>anganwadi</i> worker</b>						
Albendazole tablet	300	201	67	288	269	93
Poster/banner	300	151	50	288	213	74

<sup>3</sup>Schools/*anganwadis* administered albendazole tablet to children either on NDD or Mop-Up Day

<sup>4</sup>Based on the samples visited on NDD.

<sup>5</sup>Based on the samples visited on Mop-Up Day only.

<sup>6</sup>School administer the albendazole tablet to children a day before holiday, children/student absent, postponed due to festival.

<sup>7</sup>Based on those schools conducted deworming on NDD

<sup>8</sup>Based on those schools conducted deworming on Mop-Up-Day

<sup>9</sup> This indicator is based on the sample that received albendazole tablet.

Handouts/ reporting form	300	141	47	288	197	68
Received all materials	300	125	42	288	176	61
<b>Items verified during Independent Monitoring</b>						
Albendazole tablet	201	192	96	269	265	99
Poster/banner	151	136	90	213	200	94
Handouts/ reporting form	141	125	89	197	182	92
Received all materials	125	104	84	176	158	90
<b>No of school teachers/anganwadi worker attended training and received items during training</b>						
Albendazole tablet	201	112	56	269	186	69
Poster/banner	151	92	61	213	158	74
Handouts/ reporting form	141	91	65	197	150	76
Received all materials	125	78	62	176	129	73
<b>Integrated Distribution of albendazole tablet, IEC and training materials<sup>10</sup></b>						
	300	78	26	288	129	45

**Table PM5: Implementation of deworming activity and observation of monitors, August 2017**

Indicators	Schools			<i>Anganwadi</i>		
	Denominator	Numerator	%	Denominator	Numerator	%
Deworming activity was taking place	148	134	91	208	181	87
<b>Albendazole tablets were administered by</b>						
Teacher/headmaster	148	147	99	208	0	0
<i>Anganwadi</i> worker	148	0	0	208	207	99
ASHA /Sahiya	148	0	0	208	1	1
ANM	148	0	0	208	0	0
Student	148	1	1	NA	NA	NA
<b>Followed any recording protocol<sup>11</sup></b>	169	127	75	239	187	78
<b>Protocol followed</b>						
Putting single/double tick	127	93	73	187	130	70
Put different symbols	127	14	11	187	11	6
Prepare the separate list for dewormed	127	20	16	187	46	25
<b>Visibility of poster/banner during visits</b>	151	104	69	213	173	81

**Table PM6: Awareness about Adverse events and Its Management, August 2017**

<sup>10</sup> Integrated distribution of NDD kits includes albendazole, banner/poster and handout/reporting forms and provided to schools and AWC during the trainings.

<sup>11</sup> Any recording protocol implies putting single tick (✓), double tick (✓✓), any other symbol or preparing separate list for all those children administered albendazole tablets on NDD or Mop-Up Day.

Indicators	Schools			Anganwadi		
	Denominator	Numerator	%	Denominator	Numerator	%
Opinion of occurrence of an adverse event after administering albendazole tablet	300	69	23	288	54	19
<b>Awareness about possible adverse events (Multiple Response)</b>						
Mild abdominal pain	69	54	79	54	45	83
Nausea	69	52	77	54	39	72
Vomiting	69	55	80	54	45	83
Diarrhea	69	24	36	54	11	20
Fatigue	69	17	25	54	13	24
All possible adverse event <sup>12</sup>	69	11	16	54	3	6
<b>Awareness about mild adverse event management</b>						
Make the child lie down in open and shade/shaded place	300	192	64	288	211	73
Give ORS/water	300	82	27	288	106	37
Observe the child at least for 2 hours in the school	300	35	12	288	43	15
Don't know/don't remember	300	88	29	288	45	16
<b>Awareness about severe adverse event management</b>						
Call PHC or emergency number	300	192	64	288	202	70
Take the child to the hospital /call doctor to school	300	113	38	288	146	51
Don't know/don't remember	300	58	19	288	14	5
<b>Available contact numbers of the nearest ANM or MO-PHC</b>	300	177	59	288	246	85
<b>Asha present in Anganwadi center</b>	NA	NA	NA	288	145	50

Table PM7: Selected Indicators of Process Monitoring in Private Schools, August 2017

Indicators <sup>13</sup>	Denominator	Numerator	%
Attended training for current round of NDD	93	19	20
Received albendazole tablets	93	30	32
Sufficient quantity of albendazole tablets	30	27	89
Received poster/banner	93	22	24
Received handouts/ reporting form	93	22	24
Received SMS for current NDD round	93	16	17
Albendazole administered to children	93	27	29
<b>Reasons for not conducting deworming</b>			
No information	66	56	84
Albendazole tablets not received	66	4	6
Already dewormed all children on deworming day <sup>14</sup>	66	2	4

<sup>12</sup>Includes those who are aware that a mild abdominal pain and nausea and vomiting and diarrhea and fatigue can be reported by a child after taking albendazole tablet.

<sup>13</sup>These indicators are based on small samples; therefore, precautions should be taken while interpreting the results as these are not representative of all private schools in the state

<sup>14</sup>Based on the samples that did not conduct deworming on Mop-Up Day.

Others <sup>15</sup>	66	4	6
Albendazole tablet administered to children by teacher/headmaster <sup>16</sup>	23	23	100
Perceive that health education should be provided to children	93	88	95
Awareness about correct dose and right way of albendazole administration	93	85	91
Awareness about non-administration of albendazole tablet to sick child	93	88	94
Opinion of occurrence of an adverse event after taking albendazole tablet	93	13	14
<b>Awareness about occurrence of possible adverse events</b>			
Mild abdominal pain	13	9	67
Nausea	13	7	50
Vomiting	13	11	82
Diarrhea	13	3	24
Fatigue	13	4	29
<b>Awareness about mild adverse event management</b>			
Let the child rest in an open and shaded place	93	43	47
Provide clean water to drink/ORS	93	27	29
Contact the ANM/nearby PHC	93	2	2
Available contact numbers of the nearest ANM or MO-PHC	93	40	43
Followed correct <sup>17</sup> recording protocol	19	11	56

Table CV1: Findings from School and *Anganwadi* Coverage Validation Data

S.No	Indicators	Schools			<i>Anganwadis</i>		
		Denominator	Numerator	%	Denominator	Numerator	%
1	Percentage of schools/ <i>anganwadis</i> Conducted deworming <sup>18</sup>	754	489	65	746	706	95
	Percentage of government Schools conducted deworming	488	412	85	NA		
	Percentage of private schools conducted deworming	266	77	29	NA		
1a	Percentage of School and <i>anganwadis</i> administered albendazole on day of - (Multiple Response)						
	a. National Deworming Day	489	457	93	706	681	96
	b. Mop-Up Day	489	392	80	706	560	79
	c. Between NDD and Mop-Up Day	489	48	10	706	66	9

<sup>15</sup>School administer the albendazole tablet to children a day before holiday, children/student absent, postponed due to festival

<sup>16</sup>This indicator is based on samples where deworming was ongoing.

<sup>17</sup>Correct recording protocol implies putting single tick (✓) on NDD and double tick (✓✓) for all those children administered albendazole tablets.

<sup>18</sup>Schools and *anganwadis* that conducted deworming on NDD or Mop-Up Day.

	D. Both days (NDD and Mop-Up)	489	370	76	706	539	76
<b>1b</b>	<b>Reasons for not conducting deworming</b>						
	a. No information	265	216	82	40	21	54
	b. Drugs not received	265	31	12	40	15	37
	c. Apprehension of adverse events	265	12	4	40	1	2
	d. Others <sup>19</sup>	265	6	2	40	3	7
<b>2</b>	<b>Percentage of schools and <i>anganwadis</i> left over with Albendazole tablet after deworming</b>	489	272	56	706	377	53
<b>2a</b>	<b>Number of albendazole tablets left after deworming</b>						
	a. Less than 50 tablets	272	197	73	377	295	78
	b. 50-100 tablets	272	42	15	377	66	17
	c. More than 100 tablets	272	33	12	377	16	5
<b>3</b>	<b>Copy of reporting form was available for verification</b>	489	229	47	706	365	52
<b>3a</b>	<b>Reasons for non-availability of copy of reporting form</b>						
	a. Did not received	260	140	54	342	130	38
	b. Submitted to ANM	260	54	21	342	102	30
	c. Unable to locate	260	44	17	342	77	22
	d. Other <sup>20</sup>	260	22	8	342	33	10
<b>4</b>	<b><i>Anganwadish</i> having list of unregistered children (Aged 1-5 years)</b>	NA			706	132	19
<b>5</b>	<b><i>Anganwadish</i> having list of out-of-school children (Aged 6-19 years)</b>	NA			706	175	25

Table CV2: Selected indicators based on ASHA's interview at *Anganwadi* Centre, Coverage Validation Data

S.No	Indicators	Schools			<i>Anganwadis</i>		
		Denominator	Numerator	%	Denominator	Numerator	%
1.	ASHA present at <i>Anganwadi</i> Centre during visit of Independent monitoring <sup>21</sup>	NA			706	209	30
2.	ASHA conducted meetings with parents to inform about NDD	NA			209	173	83
3.	ASHA prepared list of unregistered and Out of school children	NA			209	106	51

<sup>19</sup> Other includes mainly not aware about NDD program, inadequate staff in school and parents denied.

<sup>20</sup> Other includes received but did not fill, no clarity over reporting form.

<sup>21</sup> Monitors were advised to call ASHA at *anganwadi* centers during coverage validation and collect relevant information.

4.	ASHA shared the list of unregistered and Out of school children with <i>Anganwadi</i>	NA	106	96	90
5.	ASHA administered albendazole to children	NA	209	164	78
6.	ASHA received incentive for NDD Feb 2017 round	NA	209	42	20



**Table CV3: Recording protocol, verification, inflation and attendance in schools and *anganwadis***

S. No	Indicators	Schools/Children			<i>Anganwadis/Children</i>		
		Denominator	Numerator	%	Denominator	Numerator	%
1	Followed correct <sup>22</sup> recording protocol	489	160	33	706	313	44
2	Followed partial <sup>23</sup> recording protocol	489	60	12	706	191	27
3	Followed no <sup>24</sup> recording protocol	489	270	55	706	202	29
4	State-level verification factor <sup>25</sup> (Children enrolled)	27678	19412	70	35165	38607	109
	a. Children registered with <i>anganwadis</i>	NA			25686	25246	98
	b. Children unregistered with <i>anganwadis</i> (Aged 1-5)	NA			3398	6593	194
	c. Out-of-school children (Aged 6-19)	NA			6081	6768	111
5	Attendance on previous day of NDD (Children enrolled)	129136	89487	69	NA		
6	Attendance on NDD (Children enrolled)	129136	91897	71	NA		
7	Attendance on Mop-Up Day (Children enrolled)	129136	92291	71	NA		
8	Children who attended on both NDD and Mop-Up Day (Children enrolled)	129136	75682	59	NA		
9	Maximum attendance of children on Deworming Day and Mop-Up Day <sup>26</sup> (Children enrolled)	129136	108506	84	NA		
10	Estimated NDD coverage <sup>27,28</sup>	49			84		

<sup>22</sup>Correct recording protocol includes schools where all the classes put single tick (✓) on NDD and double tick (✓✓) on Mop-Up Day to record the information of dewormed children.

<sup>23</sup>Partial recording protocol includes schools where all the classes did not follow correct protocol, put different symbols and prepared separate list to record the information of dewormed children.

<sup>24</sup>No protocol includes all those schools where none of the classes followed any protocol to record the information of dewormed children.

<sup>25</sup>Ratio of recounted value of the dewormed children to the reported value. This calculation is based on only those schools (n=267) and *anganwadis* (n=276) where deworming was conducted and copy of reporting form was available for verification.

<sup>26</sup> Maximum attendance refers to the total attendance of children who were exclusively present in school either on NDD or Mop-Up Day and children who attended school on both days.

<sup>27</sup>This was estimated by implying state-level verification factor on government reported coverage for schools and 1-5 years registered children in AWC.

<sup>28</sup> This was estimated on the basis of NDD implementation status, attendance on NDD and Mop-Up Day, whether child received albendazole and its supervised administration. Since no child interview is conducted at *anganwadis*; this has not been estimated for *anganwadis*.



**Table CV4: Description on children (6-19 years) interviewed in the schools (489) during coverage validation**

S.No	Indicators	Denominator	Numerator	%
1	Children received Albendazole tablets	1468	1436	98
2	Children aware about the Albendazole tablets	1436	1107	77
3	<b>Source of information about deworming (Multiple response)</b>			
	a. Teacher/school	1107	1064	96
	b. Television	1107	94	8
	c. Radio	1107	60	5
	d. Newspaper	1107	63	6
	e. Poster/Banner	1107	173	16
	f. Parents/siblings	1107	111	10
	g. Friends/neighbors	1107	49	4
4	Children aware about the worm infection	1436	849	59
5	<b>Awareness about different ways a child can get worm infection (Multiple response)</b>			
	a. Not using sanitary latrine	849	381	45
	b. Having unclean surroundings	849	481	57
	c. Consume vegetables and fruits without washing	849	240	28
	d. Having uncovered food and drinking dirty water	849	272	32
	e. Having long and dirty nails	849	396	47
	f. Moving in bare feet	849	286	34
	g. Having food without washing hands	849	341	40
	h. Not washing hands after using toilets	849	237	28
6	Children consumed Albendazole tablet	1436	1424	99
7	<b>Way children consumed the tablet</b>			
	a. Chew the tablet	1424	1305	92
	b. Swallow tablet directly	1424	119	8
8	Supervised administration of tablets	1424	1312	92
9	<b>Reasons for not consuming Albendazole tablet</b>			
	a. Feeling sick	11	3	23
	b. Afraid of taking the tablet	11	2	20
	c. Parents told me not to have it	11	4	35
	d. Do not have worms so don't need it	11	1	8
	e. Did not like the taste	11	1	14

